

# OPTICAL TRANSMISSION MODULE AND OPTICAL TRANSMITTER USING IT

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- international: *H01L31/12; H01S5/0687; H01L31/12; H01S5/00; (IPC1-7): H01L31/12; H01S5/0687*

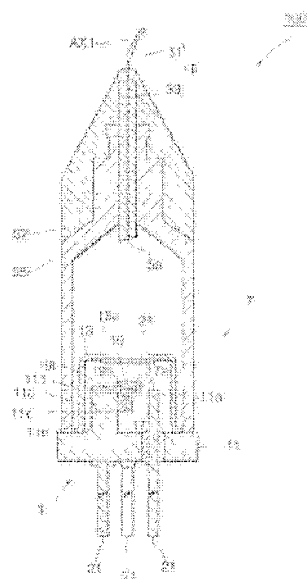
- European:

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## Abstract of JP 2005259985 (A)

**PROBLEM TO BE SOLVED:** To provide an optical transmission module which monitors the front light of a semiconductor light-emitting device, and to provide an optical transmitter using it. ; **SOLUTION:** The optical transmission module 100 includes the semiconductor light-emitting device 17 which generates signal light; a photodiode 19 for monitoring which includes a light incident face 19t to receive the signal light and a light emitting face 19h to emit a part of the signal light, and monitors the semiconductor light-emitting device 17; an optical transmission medium 5 which receives the signal light from the light emitting face of the photodiode 19 for monitoring; and a package 7 which holds the optical transmission medium 5, the photodiode 19 for monitoring, and the semiconductor light-emitting device 17 in this order along a predetermined axis and includes a stem 11. The semiconductor light-emitting device 17 and the photodiode 19 for monitoring are provided on the stem 11. ;  
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